Std Library Function	Meaning
char s[n]	$n \subseteq alloc(s)$
strlen(s)	$lens(s) - 1$
strcpy(dst, src)	$len(src) \subseteq len(dst)$
strncpy(dst, src, n)	$max(len(src), n) \subseteq len(dst)$
s = ''string''	$7 \subseteq lens(s), 7 \subseteq alloc(s)$
p = malloc(n)	$n \subseteq alloc(p)$
p = strdup(s)	$len(s) \subseteq len(p), alloc(s) \subseteq alloc(p)$
strcat(s, suffix)	$len(s) + len(suffix) - 1 \subseteq len(s)$
strncat(s, suffix, n)	$len(s) + min(len(suffix) - 1, n) \subseteq len(s)$
p = getenv(. . .)	$[1, \infty] \subseteq len(p), [1, \infty] \subseteq alloc(p)$
gets(s)	$[1, \infty] \subseteq len(s)$
fgets(s,n)	$[1, n] \subseteq len(s)$
sprintf(dst, ''%s'', src)	$len(src) \subseteq len(dst)$
sprintf(dst, ''%d'', n)	$[1, 20] \subseteq len(dst)$
snprintf(dst, n, ''%s'', src)	$min(len(src), n) \subseteq len(dst)$
p[n] = '\0'	$min(len(p), n + 1) \subseteq len(p)$
h = gethostbyname(. .)	$[1, \infty] \subseteq len(), [-\infty, \infty] \subseteq$ (h ->h_length)

Table 1